



## Oreola Donini, PhD

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### WORK EXPERIENCE

**Sr. Director, Preclinical R&D** (Feb. 2007-present),  
**Director, Chemistry** (2004-2007), Inimex Pharmaceuticals Inc., Vancouver, BC  
**Responsibilities:**

July, 2004 –  
Present

- Lead the discovery and identification of novel compounds for development.
- Manage initiation and implementation of GMP production.
- Manage and recommend strategy regarding the Inimex patent portfolio (11 patents in multiple jurisdictions).
- Key participant in research planning; generation of associated financial projections.
- Manage initiation and coordination of external biological testing program.
- Lead the Inimex data storage, handling and organization process.
- Manage IT infrastructure.

**Key Accomplishments:**

- Identification of an IND candidate.
- Selection of GMP Manufacturer and development of a solution phase synthesis for manufacturing.
- Development of an internal chemistry team to support lead optimization and non-GMP analytical development.
- Author of two composition of matter patents around the lead selection candidate.
- Contracted various studies enabling evaluation of compound efficacy and identification of potential biomarkers.

**Manager, Cheminformatics & Small Molecule Discovery**, Inimex  
Pharmaceuticals Inc., Vancouver, BC

2003 – July,  
2004

**Responsibilities:**

- Lead the peptide optimization process to identify an IND candidate.
- Molecular modeling analysis and acquisition of compounds supporting lead discovery and lead optimization activities.

**Key Accomplishments:**

- Developed and implemented a scientific data handling system.
- Developed SAR strategies for peptides.

**Manager, Informatics**, Kinetek Pharmaceuticals Inc., Vancouver, BC

2001 – 2003

**Responsibilities:**

- Molecular modeling analysis and acquisition of compounds.
- Cheminformatics & bioinformatics support.

**Key Accomplishments:**

- Developed and implemented a corporate-wide scientific database (Integris).

**R & D Planning & Program Management**, Kinetek Pharmaceuticals Inc., 2001-2003  
Vancouver, BC (*Role was simultaneously performed in addition to Manager, Informatics.*)

**Responsibilities:**

- Developed and tracked R&D milestones and budgets.
- Integrated company priorities into the R&D plan and assess the resulting impact on R&D activities.
- Led a team of functional unit managers in a matrix-management environment.

**Key Accomplishments:**

- Accelerated evaluation and identification of promising hit compounds through enhanced process management.
- Improved communication channels to clarify goals of joint Kinetek / QLT research program.

**Senior Scientist, Molecular Modeling**, Kinetek Pharmaceuticals Inc., Vancouver, 2000 - 2001  
BC

**Responsibilities:**

- Provided molecular modeling support for Kinetek chemistry programs.
- Identified relevant vendor compounds for both focused and diverse libraries.
- Served as an internal consultant for outsourced modeling and synthesis.

**Key Accomplishments:**

- Initiated and developed the molecular modeling group at Kinetek.

## EDUCATION

**Post-Doctoral Fellowship**, University of California, San Francisco. Supervisor: Dr. Peter Kollman. Lead optimization of MMP ligands; determination of enzymatic mechanism of action for citrate synthase; NSERC PDF scholarship. (1999-2000)

**Doctorate of Philosophy**, Queen's University, Kingston, Ontario. Supervisor: Dr. Donald Weaver, clinical neurologist "Ion Channels in Motion: Developing Computational Approaches to Dynamic Ion Channel Modeling." Force field development for ion channel modeling, computational analysis of Shaker potassium channel gating; NSERC PGS A/B scholarships. (1994-1998)

**Bachelor of Science**, Honors Chemistry, University of Alberta. GPA: 8.7/9.0, emphasis on chemistry and mathematics; NSERC summer scholarships (1990-1994)

## TRAINING PROGRAMS

- GXP on-site training for the drug development process (CATO Research).
- Lab to Leadership Management Program.
- Priority Management.

## **AWARDS AND HONOURS**

- Most Valuable Contribution, Employee Recognition Award, Kinetek Pharmaceuticals, Year 2000.
- NSERC PDF (1999 – 2000)
- NSERC PGS A&B (1994 – 1998)